

TO: Rural Development State Directors
Rural Development Managers
Community Development Managers

ATTN: All Rural Housing Staff, State Architects, Engineers,
Construction Analysts and Inspectors

FROM: James C. Kearney (Signed by James C. Kearney)
Administrator
Rural Housing Service

SUBJECT: Thermal Requirements for Manufactured Housing

PURPOSE/INTENDED OUTCOME:

The purpose of this Administrative Notice (AN) is to inform the Rural Development staff as to which Use Value Zones (thermal requirements) in the Federal Manufactured Home Construction and Safety Standards (FMHCSS), commonly called the HUD Code, are acceptable to Rural Development for new manufactured homes financed by the Agency. This AN also clarifies the requirements in RD Instruction 1924-A, Exhibit D and HB-1-3550.

COMPARISON WITH PREVIOUS AN:

No previous AN has been issued on this subject.

BACKGROUND:

On September 2, 1999, the Rural Housing Service (RHS) amended its thermal requirements for manufactured homes. The review and approval process is now streamlined when a home has been built for a HUD zone that meets or exceeds RHS's thermal requirements for the area in which the home is to be located. This will reduce the burden on Rural Development field personnel, the manufactured housing industry, and most importantly Rural Development customers.

EXPIRATION DATE:
December 31, 2000

FILING INSTRUCTIONS:
Preceding RD Instruction 1924-A

New manufactured homes built to the FMHCSS are provided with a Comfort Heating and Cooling Certificate. The Comfort Heating Certification (which may be combined with the Data Plate) is affixed in a permanent manner near the main electrical panel or other readily accessible and visible location inside the unit. The Certificate specifies the FMHCSS Uo Value Zone that the manufactured home complies with (see the circled area on Attachment A). This will be either a Uo Value Zone 1, 2 and 3. Attachment A is an example of a Data Plate containing the Comfort Heating and Cooling Certificate. The U/O Value Zone Map on the certificate does not apply to Rural Development.

IMPLEMENTATION RESPONSIBILITIES:

The former practice of submitting thermal design data on a particular manufactured home model to Rural Development for review and approval, and installation of a separate Rural Development thermal sticker in the unit is discontinued. Please reference the Special Procedure Notice issued on October 4, 1999.

Attachment B to this AN lists the FMHCSS Uo value zones that correspond to the RHS climatic zones for each State by county. These are the FMHCSS Uo Value Zones acceptable to Rural Development for each State or counties within a State. RHS field offices will ensure that existing and potential manufactured housing dealer-contractors receive Attachment B that contains the FMHCSS Uo Value Zones acceptable to Rural Development.

During the initial interview with the applicant, Rural Development staff will indicate which FMHCSS Uo Value Zones is acceptable to Rural Development. When the manufactured home is delivered to the site, Rural Development will verify that the unit FMHCSS Uo Value Zone is acceptable to Rural Development by inspecting the Comfort Heating Certification.

Please direct all questions pertaining to this AN to Sam Hodges, Architect, Program Support Staff at (202)720-9653.

Attachments

Attachment A is not Automated.

**RURAL DEVELOPMENT
THERMAL REQUIREMENTS
FOR
MANUFACTURED HOMES**

BACKGROUND: The minimum thermal requirement for new manufactured homes acceptable to Rural Development is the Federal Manufactured Home Construction and Safety Standard (FMHCSS) Uo Value Zone(s) indicated on the Comfort Heating and Cooling Certificate for the following Rural Development States Offices:

NOTE: For a FMHCSS Uo Value Zone 1 or higher, higher means a FMHCSS Uo Value Zone 2 or 3. For a FMHCSS Uo Value Zone 2 or higher, higher means a FMHCSS Uo Value Zone 3.

ALABAMA

FMHCSS Uo Value Zone 2 or higher is acceptable for all counties in the State.

ALASKA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

ARIZONA

FMHCSS Uo Value Zone 2 or higher is acceptable for the following counties:

Cochise	Greenlee	Mohave	Santa Cruz
Gila	La Paz	Pima	Yuma
Graham	Maricopa	Pinal	

FMHCSS Uo Value Zone 3 is acceptable for the following counties:

Apache	Coconino	Navajo	Yavapai
--------	----------	--------	---------

ARKANSAS

FMHCSS Uo Value Zone 2 or higher is acceptable for all counties in the State.

CALIFORNIA

FMHCSS Uo Value Zone 2 or higher is acceptable for the following counties:

Alameda	Kern	Riverside	Shasta
Amador	Kings	Sacramento	Solano
Butte	Lake	San Benito	Sonoma
Calaveras	Los Angeles	San Bernardino	Stanislaus
Coluas	Madera	San Diego	Sutter
Contra Costa	Marin	San Francisco	Tehama
Del Dorado	Mariposa	San Joaquin	Trinity
Fresno	Mendocino	San Luis Obispo	Tulare
Glenn	Merced	San Mateo	Tuolumne
Humboldt	Monterey	Santa Barbara	Ventura
Imperial	Napa	Santa Cruz	Yolo
Inyo	Orange	Santa Clara	Yuba
	Placer		

FMHCSS Uo Value Zone 3 is acceptable for the following counties:

Alpine	Modoc	Nevada	Sierra
Lassen	Mono	Plumas	Siskiyou

COLORADO

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

DELAWARE / MARYLAND

FMHCSS Uo Value Zone 3 is acceptable for all counties in both States.

FLORDIA / VIRGIN ISLANDS

FMHCSS Uo Value Zone 1 or higher is acceptable for the following Flordia counties and the Virgin Islands:

Brevard	Hardee	Levy	Palm Beach
Broward	Hendry	Manatee	Pasco
Charlotte	Hernando	Marion	Pinellas
Citrus	Highlands	Martin	Polk
Collier	Hillborough	Monroe	Sarasota
Dade	Indian River	Okeechobee	Seminole
De Doto	Lake	Orange	St Lucia
Glades	Lee	Osceola	Sumter
			Vousia

FMHCSS Uo Value Zone 2 or higher is acceptable for the following Flordia counties:

Alachua	Escambia	Jackson	Santa rosa
Baker	Flagler	Jefferson	St Johns
Bay	Franklin	Lafayette	Suwannee
Braford	Gadsden	Leon	Taylor
Calhoun	Gilhris	Liberty	Union
Clay	Gulf	Madison	Wakulla
Columbia	Hamilton	Nassau	Walton
Dixie	Holmes	Okaloosa	Washington
Duval		Putnam	

GEORGIA

FMHCSS Uo Value Zone 2 or higher is acceptable for all counties in the State.

HAWAII

FMHCSS Uo Value Zone 1 or higher is acceptable for all counties in the State.

IDAHO

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

ILLINOIS

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

INDIANA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

IOWA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

KANSAS

FMHCSS Uo Value Zone 2 or higher is acceptable for the following counties:

Barber	Cowley	Harper	Neosho
Chautauqua	Crawford	Labette	Sumner
Cherokee	Elk	Montgomery	Wilson
Comanche			

FMHCSS Uo Value Zone 3 is acceptable for the following counties:

Allen	Geary	Lyon	Riley
Anderson	Gove	Marion	Rooks
Atchison	Graham	Marshall	Rush
Barton	Grant	Mcpherson	Russell
Bourbon	Gray	Meade	Saline
Brown	Greeley	Miami	Scott
Bulter	Greenwood	Mitchell	Sedgwick
Chase	Hamilton	Morris	Seward
Cheyenne	Harvey	Morton	Shawnee
Clark	Haskell	Nemaha	Sheridan
Clay	Hodgeman	Ness	Sherman
Cloud	Jackson	Norton	Smith
Coffey	Jefferson	Osage	Stafford
Decatur	Jewell	Osborne	Stanton
Dickinson	Johnson	Ottawa	Stevens
Doniphan	Kearny	Pawnee	Thomas
Douglas	Kingman	Phillips	Trego
Edward	Kiowa	Pottawatomie	Wabaunsee
Ellis	Lane	Pratt	Wallace
Ellsworth	Leavenworth	Rawlins	Washington
Finney	Lincoln	Reno	Wichita
Ford	Linn	Republic	Woodson
Franklin	Logan	Rice	Wyandotte

KENTUCKY

FMHCSS Uo Value Zone 2 or higher is acceptable for all counties in the State.

LOUISIANA

FMHCSS Uo Value Zone 2 or higher is acceptable for all counties in the State.

MAINE

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

MASSACHUSETTS / RHODE ISLAND / CONNECTICUT

FMHCSS Uo Value Zone 3 is acceptable for all counties in the three States.

MICHIGAN

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

MINNESOTA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

MISSISSIPPI

FMHCSS Uo Value Zone 2 or higher is acceptable for all counties in the State.

MISSOURI

FMHCSS Uo Value Zone 2 or higher is acceptable for the following counties:

Barry	Jasper	Newton	Scott
Bulter	Mcdonald	Oregon	Stoddard
Cape Girardeau	Mississippi	Ozark	Stone
Dunklin	New Madrid	Pemiscot	Taney
Howell		Ripley	

FMHCSS Uo Value Zone 3 is acceptable for the following counties:

Adair	Crawford	Lawrence	Putnam
Andrew	Dade	Lewis	Ralls
Atchison	Dallas	Lincoln	Randolph
Audrain	Daviess	Linn	Ray
Barton	De Kalb	Livingston	Reynolds
Bates	Dent	Macon	Saline
Benton	Douglas	Madison	Schuyler
Bollinger	Franklin	Maries	Scotland
Boone	Gasconade	Marion	Shannon
Buchanan	Gentry	Mercer	Shelby
Caldwell	Greene	Miller	St Charles
Callaway	Grundy	Moniteau	St Clair
Camden	Harrison	Monroe	St Francois
Carroll	Henry	Montgomery	St Louis
Carter	Hickory	Morgan	Ste Genevieve
Cass	Holt	Nodaway	Sullivan
Cedar	Howard	Osage	Texas
Chariton	Iron	Perry	Vernon
Christian	Jackson	Pettis	Warren
Clark	Jefferson	Phelps	Washington
Clay	Johnson	Pike	Wayne
Clinton	Knox	Platte	Webster
Cole	Laclede	Polk	Worth
Cooper	Lafayette	Pulaski	Wright

MONTANA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

NEBRASKA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

NEVADA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

NEW JERSEY

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

NEW MEXICO

FMHCSS Uo Value Zone 2 or higher is acceptable for the following counties:

Bernalillo	Eddy	Lea	Quay
Chaves	Grant	Lincoln	Roosevelt
Curry	Guadalupe	Luna	Sierra
De Baca	Hidalgo	Otero	Socorro
Dona Ana			

FMHCSS Uo Value Zone 3 is acceptable for the following counties:

Catron	Los Alamos	San Juan	Taos
Cibola	Mckinley	San Miguel	Torrance
Colfax	Mora	Sandoval	Union
Harding	Rio Arriba	Santa Fe	Valencia

NEW YORK

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

NORTH CAROLINA

FMHCSS Uo Value Zone 2 or higher is acceptable for all counties in the State.

NORTH DAKOTA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

OHIO

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

OKLAHOMA

FMHCSS Uo Value Zone 2 or higher is acceptable for the following counties:

Adair	Dewey	Le Flore	Pawnee
Alfalfa	Ellis	Lincoln	Payne
Atoka	Garfield	Logan	Pittsburg
Beckham	Garvin	Love	Pontotoc
Blaine	Gardner	Major	Pottawatomie
Bryan	Grant	Marshall	Pushmataha
Caddo	Greer	Mayes	Roger Mills
Canadian	Harmon	McClain	Rogers
Carter	Harper	McCurtain	Seminole
Cherokee	Haskell	McIntosh	Sequoyah
Choctaw	Hughes	Murray	Stephens
Cleveland	Jackson	Muskogee	Tillman
Coal	Jefferson	Noble	Tulsa
Comancha	Johnston	Nowata	Wagoner
Cotton	Kay	Okfuskee	Washington
Craig	Kingfish	Oklahoma	Washita
Creek	Kiowa	Okmulgee	Woods
Custer	Latimer	Osage	Woodward
Delaware		Ottawa	

FMHCSS Uo Value Zone 3 is acceptable for the following counties:

Beaver	Cimarron	Texas
--------	----------	-------

OREGON

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

PENNSYLVANIA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

PUERTO RICO

FMHCSS Uo Value Zone 1 or higher is acceptable for all of Puerto Rico.

SOUTH CAROLINA

FMHCSS Uo Value Zone 2 or higher is acceptable for all counties in the State.

SOUTH DAKOTA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

TENNESSEE

FMHCSS Uo Value Zone 2 or higher is acceptable for all counties in the State.

TEXAS

FMHCSS Uo Value Zone 1 or higher is acceptable for the following counties:

Cameron	Kenedy	Starr	Zapata
Hidalgo	Kleberg	Willacy	

FMHCSS Uo Value Zone 2 or higher is acceptable for the following counties:

Anderson	Camp	Dickens	Guadalupe
Andrews	Carson	Dimmit	Hale
Angelina	Cass	Donley	Hall
Aransas	Castro	Duval	Hamilton
Archer	Chambers	Eastland	Hansford
Armstrong	Cherokee	Ector	Hardemen
Atascosa	Childress	Edwards	Hardin
Austin	Clay	El Paso	Harris
Bailey	Cochran	Ellis	Harrison
Bandera	Coke	Erath	Hartley
Bastrop	Coleman	Falls	Haskell
Baylor	Collin	Fannin	Hays
Bee	Collingsworth	Fayette	Hemphill
Bell	Colorado	Fisher	Henderson
Bexar	Comal	Floyd	Hill
Blanco	Comanche	Foard	Hockley
Borden	Concho	Fort Bend	Hood
Bosque	Cooke	Franklin	Hopkins
Bowie	Coryell	Freestone	Houston
Brazoria	Cottle	Frio	Howard
Brazos	Crane	Gaines	Hudspeth
Bewster	Crockett	Galveston	Hunt
Briscoe	Crosby	Garza	Hutchinson
Brooks	Culberson	Gillespie	Irion
Brown	Dallam	Glasscock	Jack
Burleson	Dallas	Goliad	Jackson
Burnet	Dawson	Gonzales	Jasper
Caldwell	De Witt	Gray	Jeff Davis
Calhoun	Deaf Smith	Grayson	Jefferson
Callahan	Delta	Gregg	Jim Hogg
Cameron	Denton	Grimes	Jim Wells

TEXAS (continued)

FMHCSS Uo Value Zone 2 or higher is acceptable for the following counties:

Johnson	Maverick	Randall	Terrell
Jones	Mcculloch	Reagan	Terry
Karnes	Mclennan	Real	Throckmorton
Kaufman	Mcmullen	Red River	Titus
Kendall	Medina	Reeves	Tom Green
Kent	Menard	Refugio	Travis
Kerr	Midland	Roberts	Trinity
Kimble	Milam	Robertson	Tyler
King	Mills	Rockwall	Upshur
Kinney	Mitchell	Runnels	Upton
Knox	Montague	Rusk	Uvalde
La Salle	Montgomery	Sabine	Val Verde
Lamar	Moore	San Augustine	Van Zandt
Lamb	Morris	San Jacinto	Victoria
Lampasas	Motley	San Patricio	Walker
Lavaca	Nacogdoches	San Saba	Waller
Lee	Navaro	Schleicher	Ward
Leon	Newton	Scurry	Washington
Liberty	Nolan	Shackelford	Webb
Limestone	Nueces	Shelby	Wharton
Lipscomb	Ochiltree	Sherman	Wheeler
Live Oak	Oldham	Smith	Wichita
Llano	Orange	Somerwall	Wilbarger
Loving	Palo Pinto	Starr	Williamson
Lubbock	Panola	Stephens	Wilson
Lynn	Parker	Sterling	Winkler
Madison	Parmer	Stonewall	Wise
Marion	Pecos	Sutton	Wood
Martin	Polk Potter	Swisher	Yoakum
Mason	Presidio	Tarrant	Yonug
Matagorda	Rains	Taylor	Zavala

UTAH

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

VERMONT / NEW HAMPSHIRE

FMHCSS Uo Value Zone 3 is acceptable for all counties in both States.

VIRGINIA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

WASHINGTON

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

WEST VIRGINIA

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

WISCONSIN

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

WYOMING

FMHCSS Uo Value Zone 3 is acceptable for all counties in the State.

